

3.600 St. Louis County  
West Lake Landfill, Inc.,  
Sanitary Landfill

February 15, 1979

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State of Mo. AF  
ID # 18107990932  
Break: 11.2  
Other: cu 2  
2-15-79

FEB 23 1979

Mr. William Canney  
West Lake Landfill, Inc.,  
Route 1, Box 206  
Bridgeton, MO 63042

Dear Mr. Canney:

A re-inspection was made of the condition and operation of the West Lake Landfill, Inc., Sanitary Landfill on February 2, 1979. The recommendations contained in this report are based on the findings made at the time of the investigation. I trust that you will proceed to carry out the recommendations presented.

**FINDINGS:**

1. The sanitary landfilling operation has been moved to the edge of the demolition landfill area.
2. The quarry approved for use as a sanitary landfill contains a large amount of ice.
3. Landfill Operating Procedures have been developed and written.

**DISCUSSION:**

The sanitary landfill operation was located adjacent to the demolition landfill operations in an area that has been approved for the landfilling of demolition wastes. This is understood to be a temporary location for the sanitary landfill until the quarry is ready for the operation to be moved into it. This location must also be recorded and shown on the plat as a sanitary landfill area prior to termination of the permit for this area.

A large amount of ice had collected in the quarry that has been permitted for a sanitary landfill, and water was seeping through and cascading down the west wall of the quarry. The previous landfill area 2 is located northwest of this wall and could be contributing leachate to this seepage. You are cautioned not to landfill in any area containing ice or in an area where melting ice might inundate the solid waste.

A copy of your Landfill Operating Procedures has been received and reviewed. It appears to be adequate in most areas but, lacks identification as to the organization of origin, date of publication, and title and name of the author or responsible person.

MISSOURI DEPARTMENT OF NATURAL RESOURCES

8460 Watson Road St. Louis, Missouri 63119 (314) 849-1313

Joseph P. Teasdale Governor  
Fred A. Lafser Director  
St. Louis Regional Office

40249179



SUPERFUND RECORDS

DNR 0094


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West Lake Landfill, Inc.,  
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RECOMMENDATIONS:

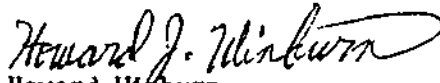
1. Monitor this area for adequate drainage, erosion, and leachate problems after you move your sanitary landfill operations into the quarry. Insure that this location is identified and shown on the final plat as a sanitary landfill area.
2. Remove ice and water from the quarry prior to landfilling the areas in which they are contained. Attempt to grout the seep holes in the west wall and stop the inflow of groundwater.
3. Make appropriate changes to the LANDFILL OPERATING PROCEDURES.

Should you have any questions concerning this report, please contact Howard Winburn of the St. Louis Regional Office.

APPROVED:

  
Earl F. Holtgraewe, P.E.  
Regional Administrator  
St. Louis Regional Office  
Department of Natural Resources

SUBMITTED BY:

  
Howard Winburn  
Environmental Engineer  
St. Louis Regional Office  
Department of Natural Resources

EFH/HW/lb

CC: Central Office, Solid Waste Management Program  
Paul H. Himebaugh, Suite 257, 9929 Manchester Road, Warson Woods, MO 63122  
Earl Breadon, 2337 Telegraph Road, Lemay, MO 63125  
St. Louis County Dept. of Community Health and Medical Care  
W. J. McCullough, Secretary, Treasurer West Lake Landfill, Inc.,

MISSOURI DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF ENVIRONMENTAL QUALITY

Annual Inspection ☐  
R ection ☒ *recorded*

SANITARY LANDFILL SURVEILLANCE RECORD

Date: 2/2/79 Days/Week Open: 5 1/2  
Name of Sanitary Landfill: West Lake Landfill, Inc. Sanitary Landfill  
Permit No: 118 90.3 County: St. Louis  
Owner: West Lake Landfill, Inc. Operator: Vernon Fehr  
Address: Route 1, Box 206 Address: Route 1, Box 206  
Bridgeton, Missouri 63042 Bridgeton, Missouri 63042

I. Special Conditions and Approved Modifications

- A. Are there any special conditions or approved modifications of the satisfactory compliance subsections of the rules and regulations? (e.g. impermeable barrier, limited excavation, exceptions to daily cover requirements)  
✓ Yes        No
- B. Is the sanitary landfill operation in compliance with the special conditions or approved modifications? (If "No," describe violations under "REMARKS.")  
✓ Yes        No

II. Check Types of Waste Accepted

	INDICATED ON PERMIT APPLICATION	REPORTED BY OPERATOR	AS OBSERVED
Municipal solid waste			<u>✓</u>
Bulky waste			
Dead animals			
Incinerator residue			
Demolition and construction waste			
Brush and untreated wood waste			
Septic tank pumpings			
Wastewater treatment plant sludges			
OTHER SLUDGES (SPECIFY)			
LIQUIDS (SPECIFY)			
INDUSTRIAL PROCESS WASTES (SPECIFY)			
HAZARDOUS WASTES (SPECIFY)			
OTHER WASTES (SPECIFY)			

III. Remaining Life of Landfill

- A. Estimated amount of solid waste coming through gate:  
Compacted loads        yds/wk        tons/wk  
Noncompacted loads        yds/wk        tons/wk
- B. Estimated volume of remaining landfill covered by approved engineering plans.  
       acre feet        years

INSPECTION FORM  
DISTRIBUTION LIST

Owner         
Operator ✓  
City         
County Court         
Consulting Engineer         
Solid Waste Program ✓  
Regional Office File ✓  
Others       

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#### IV. Satisfactory Compliance Subsections Regulations 80-3.010

Check all subsections: SAT — Satisfactory; UNS — Unsatisfactory. (If necessary describe "UNS" violations under "Remarks.")

SECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT	UNS
<b>SOLID WASTE ACCEPTED</b>			
12	Bulky solid waste crushed on solid ground and pushed onto working face near bottom of the cell.	✓	
13	Small dead animals covered immediately with soil or solid waste. Large dead animals placed in pit and covered with four feet compacted soil.		
14	Disposal of dewatered sludges on working face along with municipal solid waste.		
15	Incinerator and air pollution control residues prevented from becoming airborne.		
<b>SOLID WASTE EXCLUDED</b>			
11	No unpermitted waste accepted.	✓	
12	Sign posted at entrance listing excluded wastes.	✓	
<b>SITE SELECTION</b>			
11	Site accessible in all weather conditions. Temporary roads provided for delivery to working face.	✓	
<b>WATER QUALITY</b>			
11	Surface water courses and runoff properly diverted from the landfill. Sanitary landfill construction and grading to promote rapid surface water runoff without excessive erosion.	✓	
12	Leachate collection and treatment systems utilized where necessary to protect ground and surface water resources.	✓	
13	No ground or surface water in contact with solid waste.	✓	
<b>AIR QUALITY</b>			
11	No open burning without written permission of the proper air pollution agency and the Division.	✓	
<b>GAS CONTROL</b>			
11	Implementing decomposition gas control plan as necessary to prevent problems.		
<b>VECTORS</b>			
11	Vector control programs implemented when necessary to prevent or rectify vector problems.		
<b>AESTHETICS</b>			
11	Litter control devices utilized near working face and elsewhere as needed. Litter collected from fences, and the ground surface, and incorporated into the daily cell at the end of each day or containerized.		
12	Wastes easily moved by wind covered as necessary to prevent their becoming airborne and scattered.		
13	On-site vegetation and natural windbreaks being utilized to improve appearance and operation of the sanitary landfill.		

SUBSECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT	UNS
<b>(10) AESTHETICS (Continued)</b>			
(10)(C)4	Salvaged materials removed daily or stored in aesthetically acceptable containers or enclosures.		
<b>(11) COVER MATERIAL</b>			
(11)(C)1	Daily cover applied regardless of weather in not less than a six inch layer. Cover material available in all weather conditions.		
(11)(C)2	Intermediate cover applied to all areas idle for more than 60 days in a layer not less than one foot after compaction.		
(11)(C)3	Final cover applied on each area as completed in a layer not less than two feet after compaction.		
<b>(12) COMPACTION</b>			
(12)(C)1	Adequate equipment on-site, operated daily.	✓	
(12)(C)1A	Solid waste spread in layers not to exceed two feet and confined to smallest practical area.	✓	
(12)(C)1B	Wastes compacted to smallest practical volume.	✓	
(12)(C)1C	Cover material compacted as much as practical.		
(12)(C)2	Preventive maintenance performed.		
(12)(C)3	Daily task operating manual provided.	✓	
<b>(13) SAFETY</b>			
(13)(C)1	Fire extinguishers provided on all equipment.		
(13)(C)2	Provisions for extinguishing fires in waste, equipment, and structures.	✓	
(13)(C)3	Communication equipment available.	✓	
(13)(C)4	Scavenging prohibited.	✓	
(13)(C)5	Controlled access to site by established roadways and limited to hours when operating personnel are on duty.	✓	
(13)(C)6	Traffic controlled and directed to designated disposing points.	✓	
(13)(C)7	Site dust controlled for safety purposes and to prevent nuisances.		
<b>(14) RECORDS</b>			
(14)(C)1A	Records of major problems and complaints.		
(14)(C)1B	Monitoring record maintained. a. leachate sampling and analyses. b. gas sampling and analyses. c. ground and surface water analyses.		
(14)(C)1C	Records of vector control efforts.		
(14)(C)1D	Records of dust and litter control efforts.		
(14)(C)1E	Records of quantity of waste handled.	✓	
(14)(C)1F	Records of description, sources, and volume of special wastes listed in Subsection (3)(A).		

V. Operation Proceeding in Accordance with Approved Engineering Plans? (If "NO," describe violations under "Remarks.")

Yes No

REMARKS Part of the demolition landfill site was being used as a sanitary landfill. Water was cascading down the west wall of the quarry that has been permitted for use as a sanitary landfill. A large amount of ice has also collected in this quarry.

(Attach additional sheets as necessary.)

BY Howard J. Winburn  
SIGNATURE OF INVESTIGATOR